



A

ABR	Acrylic ester-butadiene rubber
ABS	Acrylonitrile butadiene styrene
ACM	Polyacrylate rubber
ACN	Acrylonitrile
ACS	American Chemical Society
ADPA	Diphenylamine-acetone reaction product
AFML	Air Force Material Laboratory
AMS	Aerospace Material Specification
AN	Air Force-Navy Aeronautical Standard
APPD	N-akyl N'-phenyl p-phenylenediamene
ARP	Aeronautical Recommend Practice
AS	Aerospace Standard
ASR	Alkylene sulfide rubber
ASTM	American Society for Testing and Materials
AQL	Acceptable Quality Level
AU	Urethane rubber, polyester type

B

BIIR	Bromobutyl rubber
BHT	Butylated
BMDC	Bismuth dimethyldithiocarbamate
BR	Polybutadiene rubber
BS	British Standard

C

CBTS	N-cyclohexyl-2-benzothiazolesulfenamide
CF	Conductive furnace black
CFR	Code of Federal Regulations
CIIR	Chlorobutyl rubber
CM	Chlorinated polyethylene
CO	Epichlorohydrin (homopolymer) rubber

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CR	Chloroprene (neoprene) rubber
CRF	Channel replacement furnace black
CSM	Chlorosulfonated polyethylene
CV	Continuous vulcanization

D

DBA	Dibutyl amine
DBP	Dibutyl phthalate
DBTU	Dibutylthiourea
DCP	Dicumyl peroxide
DEG	Diethylene glycol
DIN	Germany industry standards
DMTA	Dynamic mechanical thermal analysis
DOA	Diethyl adipate
DOP	Diethyl phthalate
DOS	Diethyl sebacate
DPTH	Dipentamethylenethiuram hexasulfide
DPTT	Dipentamethylenethiuram tetrasulfide
DSC	Differential scanning calorimetry
DTA	Differential thermal analysis

E

EAA	Ethylene-acrylic acid copolymer
EAM	Ethylene-acrylate copolymer
ECO	Epichlorohydrin rubber
EEA	Ethylene-ethylacrylate rubber
ENR	Epoxidized natural rubber
EPC	Easy processing channel black
EPDM	Ethylenepropylenediene rubber
EPM	Ethylene propylene rubber (copolymer)
ETU	Ethylene thiourea
EU	Urethane rubber, polyether type
EVA	Ethylene vinylacetate



F

FDA	Food and Drug Association
FEF	Fast extrusion carbon black
FEPM	TFE/polypropylene rubber
FF	Fine furnace black
FFKM	Perfluorinated elastomer
FKM	Fluoroelastomer
FMQ	Fluorosilicone rubber
FVMQ	Fluoro vinyl group containing rubber. Fluorosilicone rubber

G

GPF	General purpose furnace black
GR	Guayule rubber
GR-S	Former code for SBR

H

HAF	High abrasion furnace black
HAV	Hot air vulcanization
HDPE	High density polyethylene
HMF	High modulus furnace black
HNBR	Hydrogenated nitrile rubber (see HSN)
HPLC	High pressure liquid chromatography
HSN	Highly saturated nitrile rubber (see HNBR)
HSR	High styrene resin
HVBR	High vinyl polybutadiene rubber

I

ICR	Initial concentrated rubber
ID	Inside diameter
IIR	Butyl rubber

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IR	Infrared spectroscopy
IR	Polyisoprene
IRB	Industry reference black
IRHD	International Rubber Hardness Degrees
ISAF	Intermediate super abrasion furnace black
ISO	International Standards Organization

J

JIS	Japanese Industrial Standard
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L

LCM	Liquid curing media
LDPE	Low density polyethylene
LIM	Liquid injection molding
LSR	Liquid silicone rubber

M

MBT	Mercaptobenzothiazole
MBTS	Benzothiazyl disulfide
MDA	Methylene dianiline
MIL	Military Specification
MQ	Methyl silicone rubber
MS	Military Standard
MT	Thermal carbon black

N

NAS	National Aerospace Standard
NBR	Nitrile butadiene rubber
NIST	National Institute of Standards and Technology
NR	Natural rubber
NSF	National Sanitation Foundation

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O

OD	Outside diameter
ODR	Oscillating Disk Rheometer
OE	Oil extended

P

PA	Polyamide
PAG	Polyalkylene glycol
PE	Polyethylene
PEG	Polyethylene glycol
PEP	Polyethylene polyamide
PHR	Parts per hundred rubber
PMQ	Methylphenyl silicone rubber
POE	Polyolester oil
PP	Polypropylene
PPG	Polypropylene glycol
PS	Polystyrene
PTFE	Polytetrafluoroethylene
PVC	Polyvinyl chloride
PVI	Prevulcanization inhibitor
PVMQ	Methylphenylninyl silicone rubber

Q

QPL	Qualified Products List (Military)
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R

RA	Average roughness
RIM	Reaction injection molding
RMA	Rubber Manufacturers Association
RMS	Root mean square

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RSS Ribbed smoked sheet (natural rubber)
RTV Room temperature vulcanization

S

SAE Society of Automotive Engineers
SAF Super abrasion furnace black
SBR Styrene butadiene rubber
SCR Styrene chloroprene copolymer
SI International System of Units
SIR Styrene isoprene rubber
SPF Super processing furnace black
SPH Styrenated phenol
SRF Semi-reinforcing furnace black

T

T Polysulfide rubber
TG Glass transition temperature
TBTD Tetrabutylthiuram disulfide
TFE Tetrafluoroethylene
TGA Thermogravimetric analysis
TMTD Tetramethylthiuram disulfide
TMTM Tetramethylthiuram monosulfide
TPE Thermoplastic elastomer (see TPR)
TPR Thermoplastic rubber (see TPE)
TPU Thermoplastic polyurethane
TPV Thermoplastic vulcanizate
TR Temperature retraction

U

UL Underwriters Laboratories
USP United States Pharmacopoeia



V

VMQ Silicone rubber with vinyl groups

W

WRC Water Research Council (of Great Britain)

X

XNBR Carboxylated nitrile rubber

Z

ZDBP Zincedibutyl dithiophosphate
ZMBT Zinc mercaptobenzothiazole